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(71) Applicant (for all designated States except US): SPIN-VOX LIMITED [GB/GB]; Twisden Works, Twisden Road, London NW5 1DN (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): DOULTON, Daniel, Michael [GB/GB]; Spinvox Limited, Twisden Works, Twisden Road, London NW5 1DN (GB).

(74) Agent: ORIGIN LIMITED; 52 Muswell Hill Road, London N10 3JR (GB).

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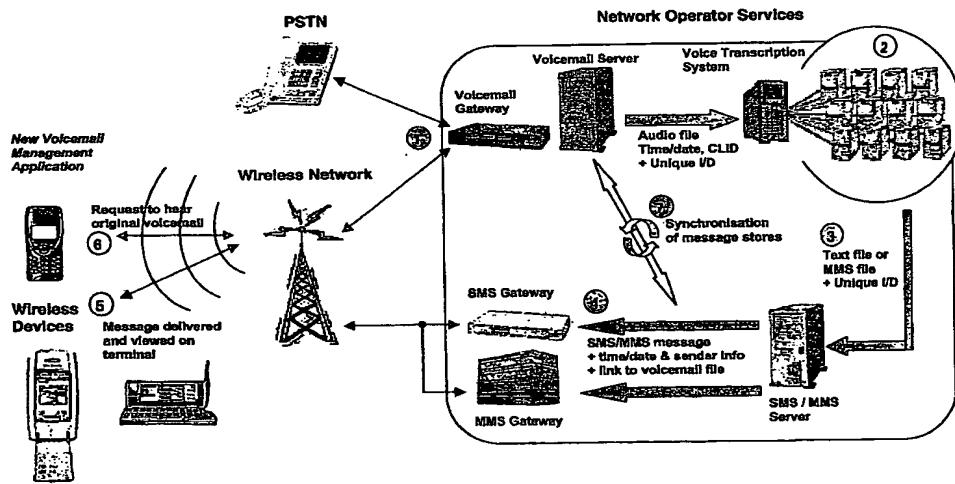
— with international search report

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16 June 2005

[Continued on next page]

(54) Title: OPERATOR PERFORMED VOICEMAIL TRANSCRIPTION

Inside the Operator



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(57) Abstract: Voicemail is received at a voicemail server and converted to an audio file format; it is then sent or streamed over a wide area network to a voice to text transcription system comprising a network of computers. One of the networked computers plays back the voice message to an operator and the operator intelligently transcribes the actual message from the original voice message by entering the corresponding text message (actually a succinct version of the original voice message, not a verbose word-for-word conversion) into the computer to generate a transcribed text message. The transcribed text message is then sent to the wireless information device from the computer. Because human operators are used instead of machine transcription, voicemails are converted accurately, intelligently, appropriately and succinctly into text messages (SMS/MMS).



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/001805

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04M3/53 H04M3/51

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 712 901 A (MEERMANS DAVID R) 27 January 1998 (1998-01-27) column 4, line 52 - column 6, line 65 -----	1,3-15, 21
Y	US 6 449 342 B1 (JOHANSON JAMES A) 10 September 2002 (2002-09-10) column 6, line 26 - line 30 figures 6,8 -----	2
X	WO 02/23872 A (YAHOO INC) 21 March 2002 (2002-03-21) page 3, line 31 - page 4, line 9 -----	1,3-15
X	US 5 163 081 A (WYCHERLEY BRUCE D ET AL) 10 November 1992 (1992-11-10) claim 1 ----- -/-	1

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

4 January 2005

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European Patent Office, P.B. 5818 Patentaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl
Fax: (+31-70) 340-3016

Authorized officer

Schweitz, M

INTERNATIONAL SEARCH REPORT

Int'l Application No
F., GB2004/001805

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 507 643 B1 (GRONER GABRIEL F) 14 January 2003 (2003-01-14) cited in the application column 2, line 54 - line 67 -----	1-21
A	KOURNPIS K ET AL: "An advanced integrated architecture for wireless voicemail data retrieval" PROCEEDINGS. INTERNATIONAL CONFERENCE ON INFORMATION NETWORKING, XX, XX, 31 January 2001 (2001-01-31), pages 403-410, XP010534302 the whole document -----	1-21
A	US 5 121 421 A (ALHEIM CURTIS C) 9 June 1992 (1992-06-09) column 3, line 10 - line 19 -----	1-21

INTERNATIONAL SEARCH REPORT

national application No.
PCT/GB2004/001805

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

see annex

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International Application No. PCT/ GB2004/ 001805

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-15, 16 (as dependent on claims 2-15), 17, 18 (as dependent on claims 2-15), 19, 20 and 21
(as dependent on claims 2-15)

Providing a unique identification that links a text message to a corresponding voice message.

2. claims: 16 (as dependent on claim 1), 17 and 21 (as dependent on claims 16 or 17)

Parsing a transcribed text message and using the parsed data in an application on a wireless information device.

3. claims: 18 (as dependent on claim 1), 19, 20 and 21 (as dependent on claims 18-20)

Depending on the length of a voice message, deciding on whether the message should be transcribed or not.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
P B2004/001805

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5712901	A	27-01-1998		AU 3506197 A CA 2258613 A1 EP 0906686 A1 JP 2000513528 T WO 9750228 A1	14-01-1998 31-12-1997 07-04-1999 10-10-2000 31-12-1997
US 6449342	B1	10-09-2002		NONE	
WO 0223872	A	21-03-2002		US 6580786 B1 AU 9327201 A WO 0223872 A1	17-06-2003 26-03-2002 21-03-2002
US 5163081	A	10-11-1992		NONE	
US 6507643	B1	14-01-2003		AU 4369501 A WO 0169905 A1	24-09-2001 20-09-2001
US 5121421	A	09-06-1992		AU 649508 B2 AU 9100291 A CA 2096968 A1 EP 0561956 A1 WO 9210900 A1 US 5450470 A US 5253285 A	26-05-1994 08-07-1992 14-06-1992 29-09-1993 25-06-1992 12-09-1995 12-10-1993